

Enigma UI Assignment Documentation.

Overview:

The UI project is a user-friendly web interface that enables efficient management of form submissions. It allows users to upload image or PDF files, stores these files securely on Google Drive, and maintains metadata in Google Sheets for future reference. Your Team can access and search for previously submitted records.

Features

1. File Upload Functionality:

1. Supported File Types: Images (JPG, PNG) and PDFs.
2. Multiple File Upload: Users can upload multiple files simultaneously.
3. Storage: Uploaded files are securely stored in Google Drive.
4. Metadata Management: File metadata, including name and MIME type, are saved in Google Sheets.

2. Records Management

1. Your Team can search records by name or email for quick access.
2. Candidate's name and email.
3. Clickable links to access uploaded files directly from Google Drive.

How to Connect website with database:

- Go to the Google Cloud Console.
- Link: [Google Cloud Project](#)
 - a. Create a new project.
 - b. Enable the following APIs for your project:
 - i. Google Sheets API
 - ii. Google Drive API
 - c. Create a service account:
 - i. Navigate to IAM & Admin > Service Accounts.
 - ii. Click Create Service Account and give it a name.
 - iii. Click Grant this service account access to the project – role-basic-editor.
 - iv. Under Key, select JSON and download the JSON file. This is your credentials file.
- **Share Google Sheet and Folder with Service Account:**
 1. Create a new Google Sheet in your Google Drive.
 2. Share the Google Sheet with the service account email from your JSON file (usually looks like your-service-account@project-id.iam.gserviceaccount.com) with Editor permissions.
 3. Create a folder in Google Drive to store uploaded files.
 4. Share this folder with the service account email with Editor permissions.

How to link with code:

- `SERVICE_ACCOUNT_FILE = "Key-path"` # Replace with your JSON credentials file
- `SPREADSHEET_NAME = "sheet-file-name"` # Replace with your Google Sheet name

- `DRIVE_FOLDER_ID = "<FOLDER_ID>"` #Replace this with the actual folder ID from Google Drive.

Run the App:

1. Use **streamlit run your_script.py** to start the app.
2. Fill out the form, upload files, and check the Google Sheet for user details and Drive links.
3. All pdf and images save's in Drive folder.